

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/017,327A
Source: JFW16
Date Processed by STIC: 07/29/2005

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IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,327A

DATE: 07/29/2005

TIME: 10:44:43

Input Set : E:\5028.ST25.txt

Output Set: N:\CRF4\07292005\J017327A.raw

3 <110> APPLICANT: Genzyme Corporation
 4 Nicolette, Charles A.
 6 <120> TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS AND METHODS FOR USING
 SAME
 8 <130> FILE REFERENCE: 5028CIP
 10 <140> CURRENT APPLICATION NUMBER: US 10/017,327A
 11 <141> CURRENT FILING DATE: 2001-12-06
 13 <150> PRIOR APPLICATION NUMBER: US 09/870,216
 14 <151> PRIOR FILING DATE: 2001-05-30
 16 <160> NUMBER OF SEQ ID NOS: 12
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1280
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
 26 gaaaatggc gtcccgcaag gaaggtaaccg gctctactgc cacctcttcc agctccaccg 60
 28 cccgcgcagc agggaaaggc aaaggcaaag gcggctcggg agattcagcc gtgaagcaag 120
 30 tgcagataga tggccttgtg gtattaaaga taatcaaaca ttatcaagaa gaaggacaag 180
 32 gaactgaagt tttcaagga gtgcgtttgg gtctgggtgt agaagatccg cttgaaatta 240
 34 ccaactgctt tccttcctt cagcacacag aggatgatgc tgactttgtat gaagtccaat 300
 36 atcagatgga aatgatgcgg agccttcgcc atgttaaacat tgatcatctt cacgtgggct 360
 38 ggtatcagtc cacatactat ggctcattcg ttaccgggc actcctgac tctcagttta 420
 40 gttaccagca tgccattgaa gaatctgtcg ttctcattta tgatcccata aaaactgccc 480
 42 aaggatctct ctcaactaaag gcatacagac tgactcctaa actgatgaa gtttgtaaag 540
 44 aaaaggattt ttccccctgaa gcattgaaaa aagcaaatat caccttttag tacatgtttg 600
 46 aagaagtgcc gattgttaatt aaaaattcac atctgatcaa tgtcctaattt tggaacttg 660
 48 aaaagaagtc agctgttgca gataaacatg aattgctcag ccttgccagc agcaatcatt 720
 50 tgggaaagaa tctacagtgc tgatggaca gagtttatgaa aatgagccaa gatatagtta 780
 52 aataacaacac atacatgagg aataactaga aacaacagca gcagaaacat cagtatcagc 840
 54 agcgtcgcca gcaggagaat atgcagcggc agagccgagg agaaccggcc ctcctgagg 900
 56 aggacctgtc caaactcttc aaaccaccac agccgcctgc caggatgac tcgctgctca 960
 58 ttgcaggcca gataaacact tactgccaga acatcaagga gttcactgcc caaaacttag 1020
 60 gcaagctctt catggcccgat gctcttcaag aataacaacaa ctaagaaaaa gaagtttcca 1080
 62 gaaaagaagt taacatgaac tcttgaagtc acaccaggc aactcttggaa agaaatataat 1140
 64 ttgcatttttttggaaaaggc acatcaacact tactgccaga acatcaagga gttcactgcc 1200
 66 tgtctttctatggccataataa aataaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
 68 aaaaaaaaaa aaaaaaaaaa 1280
 71 <210> SEQ ID NO: 2
 72 <211> LENGTH: 352
 73 <212> TYPE: PRT
 74 <213> ORGANISM: Homo sapiens
 76 <400> SEQUENCE: 2
 78 Met Ala Ser Arg Lys Glu Gly Thr Gly Ser Thr Ala Thr Ser Ser Ser

(Copy-6)

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79 1	5	10	15
82 Ser Thr Ala Gly Ala Ala Gly Lys Gly Lys Gly Lys Gly Ser Gly			
83	20	25	30
86 Asp Ser Ala Val Lys Gln Val Gln Ile Asp Gly Leu Val Val Leu Lys			
87	35	40	45
90 Ile Ile Lys His Tyr Gln Glu Glu Gly Gln Gly Thr Glu Val Val Gln			
91	50	55	60
94 Gly Val Leu Leu Gly Leu Val Val Glu Asp Arg Leu Glu Ile Thr Asn			
95 65	70	75	80
98 Cys Phe Pro Phe Pro Gln His Thr Glu Asp Asp Ala Asp Phe Asp Glu			
99	85	90	95
102 Val Gln Tyr Gln Met Glu Met Met Arg Ser Leu Arg His Val Asn Ile			
103	100	105	110
106 Asp His Leu His Val Gly Trp Tyr Gln Ser Thr Tyr Tyr Gly Ser Phe			
107	115	120	125
110 Val Thr Arg Ala Leu Leu Asp Ser Gln Phe Ser Tyr Gln His Ala Ile			
111	130	135	140
114 Glu Glu Ser Val Val Leu Ile Tyr Asp Pro Ile Lys Thr Ala Gln Gly			
115 145	150	155	160
118 Ser Leu Ser Leu Lys Ala Tyr Arg Leu Thr Pro Lys Leu Met Glu Val			
119	165	170	175
122 Cys Lys Glu Lys Asp Phe Ser Pro Glu Ala Leu Lys Lys Ala Asn Ile			
123	180	185	190
126 Thr Phe Glu Tyr Met Phe Glu Glu Val Pro Ile Val Ile Lys Asn Ser			
127	195	200	205
130 His Leu Ile Asn Val Leu Met Trp Glu Leu Glu Lys Lys Ser Ala Val			
131	210	215	220
134 Ala Asp Lys His Glu Leu Leu Ser Leu Ala Ser Ser Asn His Leu Gly			
135 225	230	235	240
138 Lys Asn Leu Gln Leu Leu Met Asp Arg Val Asp Glu Met Ser Gln Asp			
139	245	250	255
142 Ile Val Lys Tyr Asn Thr Tyr Met Arg Asn Thr Ser Lys Gln Gln Gln			
143	260	265	270
146 Gln Lys His Gln Tyr Gln Gln Arg Arg Gln Gln Glu Asn Met Gln Arg			
147	275	280	285
150 Gln Ser Arg Gly Glu Pro Pro Leu Pro Glu Glu Asp Leu Ser Lys Leu			
151	290	295	300
154 Phe Lys Pro Pro Gln Pro Pro Ala Arg Met Asp Ser Leu Leu Ile Ala			
155 305	310	315	320
158 Gly Gln Ile Asn Thr Tyr Cys Gln Asn Ile Lys Glu Phe Thr Ala Gln			
159	325	330	335
162 Asn Leu Gly Lys Leu Phe Met Ala Gln Ala Leu Gln Glu Tyr Asn Asn			
163	340	345	350
166 <210> SEQ ID NO: 3			
167 <211> LENGTH: 9			
168 <212> TYPE: PRT			
169 <213> ORGANISM: Artificial			
171 <220> FEATURE:			
172 <223> OTHER INFORMATION: Compound 1			

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174 <400> SEQUENCE: 3
176 Phe Leu Gln Leu Leu Met Glu Pro Val
177 1 5
180 <210> SEQ ID NO: 4
181 <211> LENGTH: 27
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Compound 1
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (6)..(6)
192 <223> OTHER INFORMATION: n = A,T,C, or G
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (10)..(10)
197 <223> OTHER INFORMATION: n = A,T,C, or G
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (12)..(12)
202 <223> OTHER INFORMATION: n = A,T,C, or G
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (13)..(13)
207 <223> OTHER INFORMATION: n = A,T,C, or G
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (15)..(15)
212 <223> OTHER INFORMATION: n = A,T,C, or G
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (24)..(24)
217 <223> OTHER INFORMATION: n = A,T,C, or G
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (27)..(27)
222 <223> OTHER INFORMATION: n = A,T,C, or G
224 <400> SEQUENCE: 4
W--> 225 tttttncarn tnntnatgga rccngtn 27
228 <210> SEQ ID NO: 5
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Compound 2
236 <400> SEQUENCE: 5
238 Phe Leu Gln Leu Glu Phe Asp Ala Val
239 1 5
242 <210> SEQ ID NO: 6

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Input Set : E:\5028.ST25.txt
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243 <211> LENGTH: 27
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Compound 2
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (6)..(6)
254 <223> OTHER INFORMATION: n = A,T,C, or G
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (10)..(10)
259 <223> OTHER INFORMATION: n = A,T,C, or G
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (12)..(12)
264 <223> OTHER INFORMATION: n = A,T,C, or G
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (24)..(24)
269 <223> OTHER INFORMATION: n = A,T,C, or G
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (27)..(27)
274 <223> OTHER INFORMATION: n = A,T,C, or G
276 <400> SEQUENCE: 6

W--> 277 tyytncarn tngarttyga ygcngrn 27
280 <210> SEQ ID NO: 7
281 <211> LENGTH: 9
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Compound 3
288 <400> SEQUENCE: 7
290 Phe Leu Trp Phe Glu Ile Asp Ile Val
291 1 5
294 <210> SEQ ID NO: 8
295 <211> LENGTH: 27
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Compound 3
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (6)..(6)
306 <223> OTHER INFORMATION: n = A,T,C, or G
308 <220> FEATURE:
309 <221> NAME/KEY: misc_feature
310 <222> LOCATION: (27)..(27)

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Input Set : E:\5028.ST25.txt
Output Set: N:\CRF4\07292005\J017327A.raw

311 <223> OTHER INFORMATION: n = A,T,C, or G
313 <400> SEQUENCE: 8
W--> 314 tttytntggt tygarathga yathgtn 27
317 <210> SEQ ID NO: 9
318 <211> LENGTH: 9
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Compound 4
325 <400> SEQUENCE: 9
327 Phe Leu Ser Tyr Asp Leu Phe Val Val
328 1 5
331 <210> SEQ ID NO: 10
332 <211> LENGTH: 27
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Compound 4
340 <220> FEATURE:
341 <221> NAME/KEY: misc_feature
342 <222> LOCATION: (6)..(6)
343 <223> OTHER INFORMATION: n = A,T,C, or G
345 <220> FEATURE:
346 <221> NAME/KEY: misc_feature
347 <222> LOCATION: (9)..(9)
348 <223> OTHER INFORMATION: n = A,T,C, or G
350 <220> FEATURE:
351 <221> NAME/KEY: misc_feature
352 <222> LOCATION: (18)..(18)
353 <223> OTHER INFORMATION: n = A,T,C, or G
355 <220> FEATURE:
356 <221> NAME/KEY: misc_feature
357 <222> LOCATION: (24)..(24)
358 <223> OTHER INFORMATION: n = A,T,C, or G
360 <220> FEATURE:
361 <221> NAME/KEY: misc_feature
362 <222> LOCATION: (27)..(27)
363 <223> OTHER INFORMATION: n = A,T,C, or G
365 <400> SEQUENCE: 10
W--> 366 tttytnwsnt ayyaytntt ygtngtn 27
369 <210> SEQ ID NO: 11
370 <211> LENGTH: 9
371 <212> TYPE: PRT
372 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 11
376 Asn Leu Gln Leu Leu Met Asp Arg Val
377 1 5
380 <210> SEQ ID NO: 12
381 <211> LENGTH: 27

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/29/2005
PATENT APPLICATION: US/10/017,327A TIME: 10:44:44

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 6,10,12,13,15,24,27
Seq#:6; N Pos. 6,10,12,24,27
Seq#:8; N Pos. 6,21
Seq#:10; N Pos. 6,9,18,24,27
Seq#:12; N Pos. 24,27

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10

VERIFICATION SUMMARY

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L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0